

# Aero Design Ltd.

## Work Order Control Sheet

Work Order#: 2015-71 Date Opened: 19-Jun-15 Title: Assembly

Aircraft OEM: Bell Aircraft Model: 212 Product Type: Cargo Basket Product Model: Mega Quantity: 1

### Work Order Contents

Work Order/Build Sheets (Procedures Provided)  
Additional Work Sheets (Standard Practice)  
Drawings (See List Below)  
Parts Distribution Sheet  
Sub Component Tags  
Completed Certification (Original)  
Time Sheet (R&D)  
Notes

Initial or N/A

N/A
N/A
JR
JR
JC
JC
N/A
N/A

### Build Sheet Contents

Tasks Initialled  
Dual Inspections Initialled

Initial or N/A

N/A
N/A

### Drawing List

Drawing #	Rev #	Description	Initial or N/A
100610	0	Basket Assembly	JR
100627	0	Placard	JR
84240	0	Lid Prop Installation	JR
84255	2	Handle Installation	JR
84261	2	Handle Assembly	JR

### Component Completion

Quantity Complete on This Work Order  
Quantity Incomplete on This Work Order  
Further Processing Required Before Release  
Release to Stock as Components

As Instructed

1
N/A
N/A
N/A

### Certification

Form One Completed  
Serviceable (Green) Tag Completed  
In Process (Yellow) Tag Completed  
Unserviceable (Red) Tag Completed  
Parts Placed in Stores for Distribution

Initial or N/A

JC
N/A
N/A
N/A
N/A

### Additional Documentation

Documentation of a minor change  
Non-Conformance Report Required  
Service Difficulty Report Required

Initial or N/A

N/A
N/A
N/A

### Billing

Local (Aero Design)  
Research and Development  
Third Party

Initial or N/A

JC
N/A
N/A

### Traveller

Install walkway on lid  
Install lid on basket body  
Re-tap mounting lug holes and install mount lugs  
Install handle brackets  
Install handle  
Install lid prop  
Install data plate

Initial or N/A

MR
MR
MR
MR
MR
MR
MR

### Note:

Instructions are not available, assemble IAW drawings and normal practices.

Work performed by:

Print: J. Rekve for M. Rekve

Sign: [Signature]

SCA: AD01

Date: 19-Jun-15

ICC / Dual Inspection performed by:

Print: J. Clarke

Sign: [Signature]

SCA: AD02

Date: 19-Jun-15

Work Order closed by:

Print: J. Clarke

Sign: [Signature]

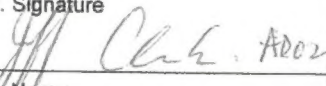
SCA: AD02

Date: 19-Jun-15

Approved Manufacturing Facility 73-04

Form 20.D.03

Rev. Original 23 Sep 2014

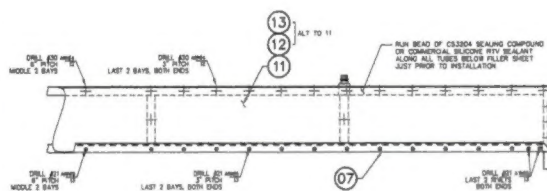
1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No.	
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2015-71</b>	
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work	
	<b>Basket Assembly</b>	<b>100610-02</b>	<b>1</b>	<b>100602-01</b>	<b>New</b>	
12. Remarks						
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.				14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12. Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature 		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature		14c. Approved Organization Number
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>19 June 2015</b>		14d. Name		14e. Date (dd/mmm/yyyy)
<p style="text-align: center;"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

*GUARDIAN*

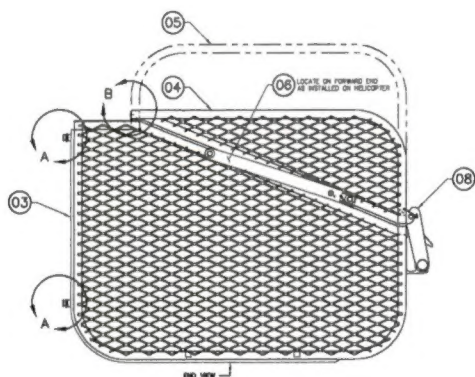


# NOTES

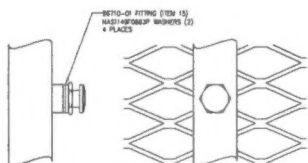
1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
2. INSTALL RIVETS USING EDGE DISTANCE AND PITCH AS OUTLINED IN AC4313-1B, PAR 4-36, FIG 4-3 AND FIG 4-4.
3. INSTALL ADDITIONAL HANDLE BRACKET IN LOCATIONS SHOWN IN ACCORDANCE WITH AERO DESIGN LTD. DRAWING 84225.



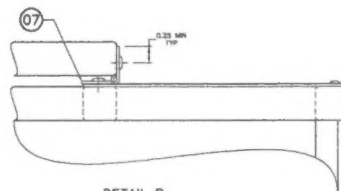
VIEW D  
LOOKING DOWN AT INBOARD TOP ROW  
PRIOR TO INSTALLATION OF LID



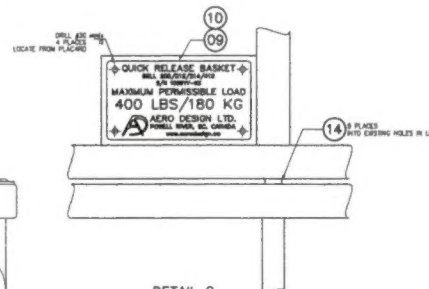
END VIEW



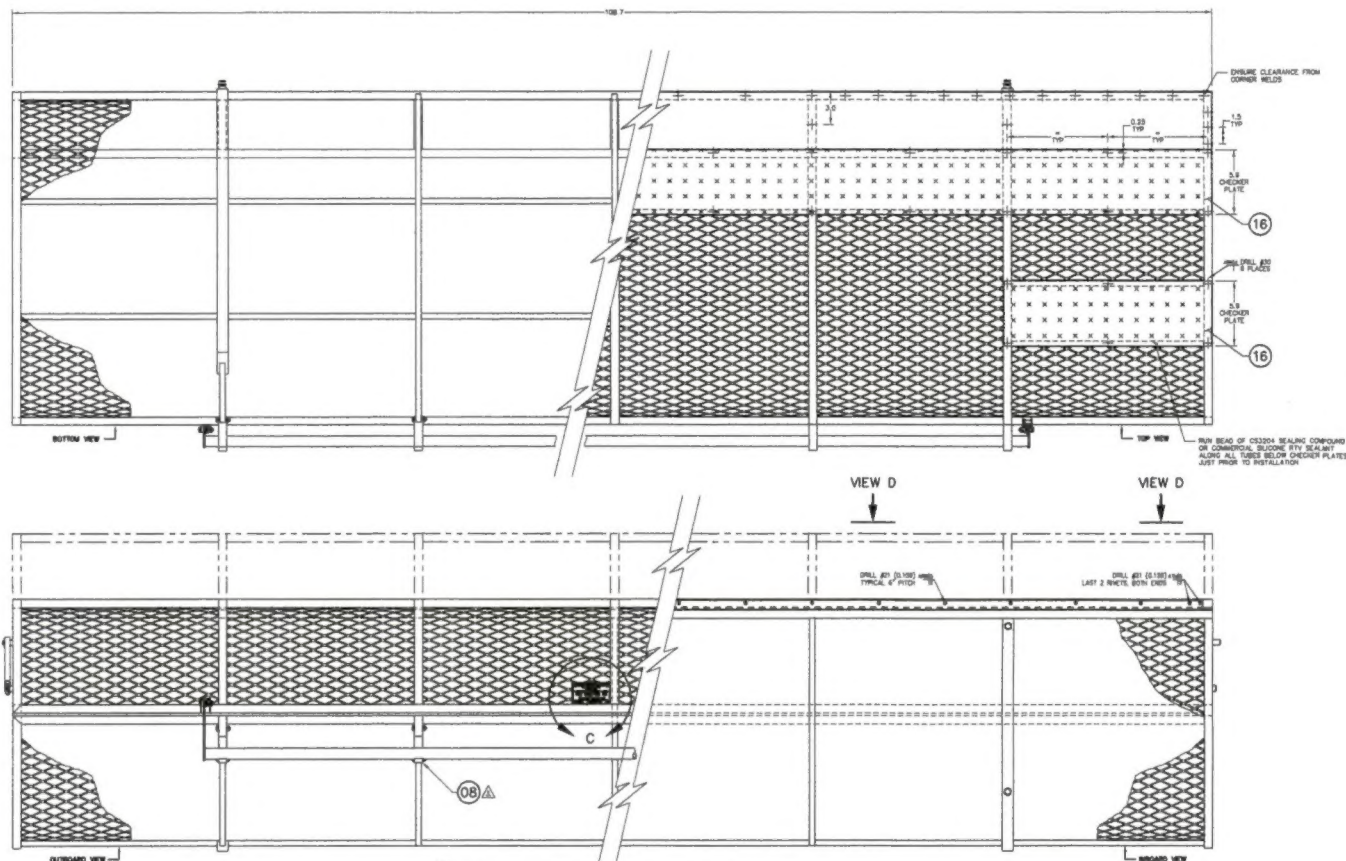
DETAIL A  
SCALE 1:1  
LOOKING AT ATTACHMENT LUGS  
TYPICAL 4 PLACES



DETAIL B  
SCALE 1:1  
LOOKING AT HINGE



DETAIL C  
SCALE 1:1  
LOOKING AT PLACARD BRACKET



- 01 CARGO BASKET ASSEMBLY - STANDARD LID  
02 CARGO BASKET ASSEMBLY - EXTENDED LID

QTY	QTY	PART NO.	ITEM	DESCRIPTION	MATERIAL	SPEC	STOCK SIZE
1	1	01	01	CARGO BASKET ASSEMBLY - STANDARD LID	ALUMINUM	3.063 SHEET, C-100	
1	1	02	02	CARGO BASKET ASSEMBLY - EXTENDED LID	ALUMINUM	3.063 SHEET, C-100	
1	1	03	03	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	04	04	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	05	05	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	06	06	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	07	07	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	08	08	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	09	09	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	10	10	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	11	11	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	12	12	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	13	13	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	14	14	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	15	15	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	16	16	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	17	17	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	18	18	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	19	19	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	20	20	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	21	21	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	22	22	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	23	23	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	24	24	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	25	25	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	26	26	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	27	27	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	28	28	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	29	29	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	30	30	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	31	31	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	32	32	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	33	33	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	34	34	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	35	35	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	36	36	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	37	37	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	38	38	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	39	39	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	40	40	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	41	41	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	42	42	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	43	43	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
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1	1	99	99	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	
1	1	100	100	QUICK RELEASE BASKET	ALUMINUM	3.063 SHEET, C-100	

APPROVALS DATE 16 NOV 2014  
DESIGNED BY JASON POKKE 07 NOV 2014  
UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ON:  
DIMENSIONS ANGLES  
X.XXX ±0.010 ±1/2"  
X.X ±0.03  
X.X ±0.1

AERO DESIGN LTD.  
100610  
SCALE 1:1  
SHEET 1 OF 1

BELL 205, 212, 214, 412 SERIES  
QUICK RELEASE MEGA CARGO BASKET  
BASKET BODY ASSEMBLY  
SCALE 1:1  
SHEET 1 OF 1

AW 100610 0

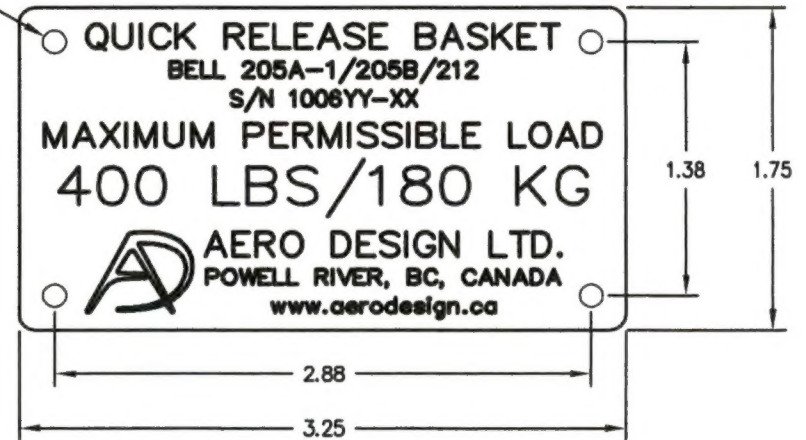
THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON.

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		

#### NOTES

- ENGRAVE 0.007 DEEP AS FOLLOWS:  
 "QUICK RELEASE BASKET" - 0.125 HIGH  
 "BELL 205A-1/205B/212" - 0.080 HIGH  
 "S/N 1006YY-XX" - 0.080 HIGH - (SEE NOTES 2-3)  
 "MAXIMUM PERMISSIBLE LOAD" - 0.125 HIGH  
 "400 LBS/180 KG" - 0.200 HIGH  
 "AERO DESIGN LTD." - 0.125 HIGH  
 "POWELL RIVER, BC, CANADA" - 0.080 HIGH  
 "www.aerodesign.ca" - 0.080 HIGH
- ITEM 01: BASKET WITH STANDARD LID TO READ:  
 "S/N 100601-XX" - 0.080 HIGH
- ITEM 02: BASKET WITH EXTENDED LID TO READ:  
 "S/N 100602-XX" - 0.080 HIGH


DRILL #30 (0.129)  
4 PLACES



2015-03  
 (01)(02) PLACARD

1	100627-02	02	PLACARD (EXTENDED LID)	6061-T6 ALUMINUM	QQ-A-250/11	0.050 SHEET
1	100627-01	01	PLACARD (STANDARD LID)	6061-T6 ALUMINUM	QQ-A-250/11	0.050 SHEET
	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE

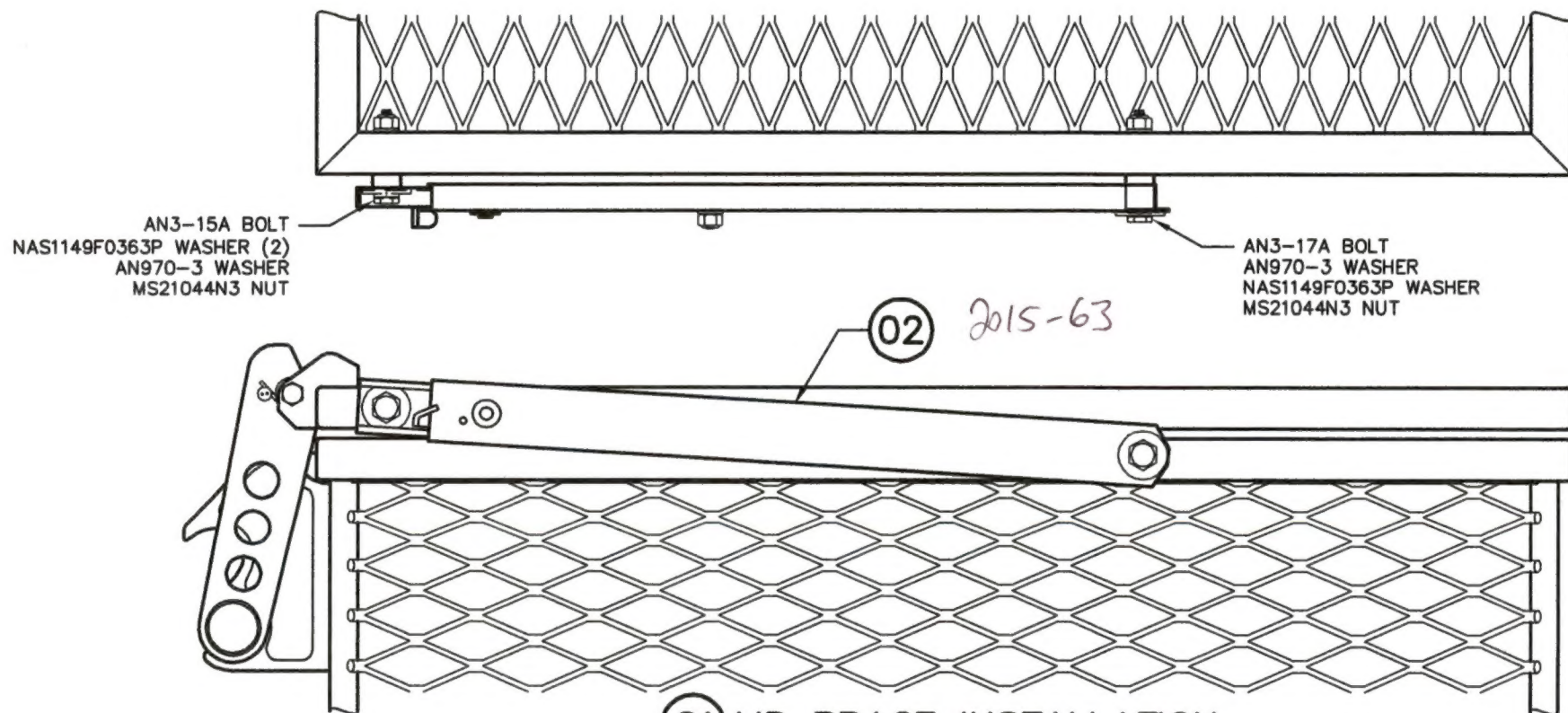
#### QTY LIST OF MATERIALS

	APPROVALS	DATE		<b>AERO DESIGN LTD.</b>  9888A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 804.483.2376                      www.aerodesign.ca		
	DRAWN: JEFF CLARKE	13 JAN 2015				
	CHECKED: JASON REKVE	13 JAN 2015				
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS                      ANGLES X.XXX    ±0.010                      ±1/2" X.XX     ±0.03 X.X      ±0.1		BELL 205A-1, 205B, 212 QUICK RELEASE MEGA CARGO BASKET PLACARD			
			SCALE 1 : 1	DWG. SIZE	DWG. NO.	REV.
		SHEET 1 OF 1	A1	100627	0	



THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON.

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE	*	*



#### NOTES

- THIS DRAWING APPLIES TO ALL AERO DESIGN LTD. CARGO BASKET ASSEMBLIES.  
LID PROP IS TO BE INSTALLED ON THE FORWARD END OF THE BASKET AS INSTALLED ON THE HELICOPTER.

2	MS21044N3		NUT
3	NAS1149F0363P		WASHER
2	AN970-3		WASHER
1	AN3-17A		BOLT
1	AN3-15A		BOLT
1	36280-01	02	LID BRACE ASSEMBLY
	84240-01	01	LID BRACE INSTALLATION
01	PART NO.	ITEM	DESCRIPTION
QTY.	LIST OF MATERIALS		

APPROVALS	DATE
DRAWN: JEFF CLARKE	21 MAY 2014
CHECKED: JASON REKVE	21 MAY 2014
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:	
DECIMALS	ANGLES
X.XXX ±0.010	±1/2°
X.XX ±0.03	
X.X ±0.1	

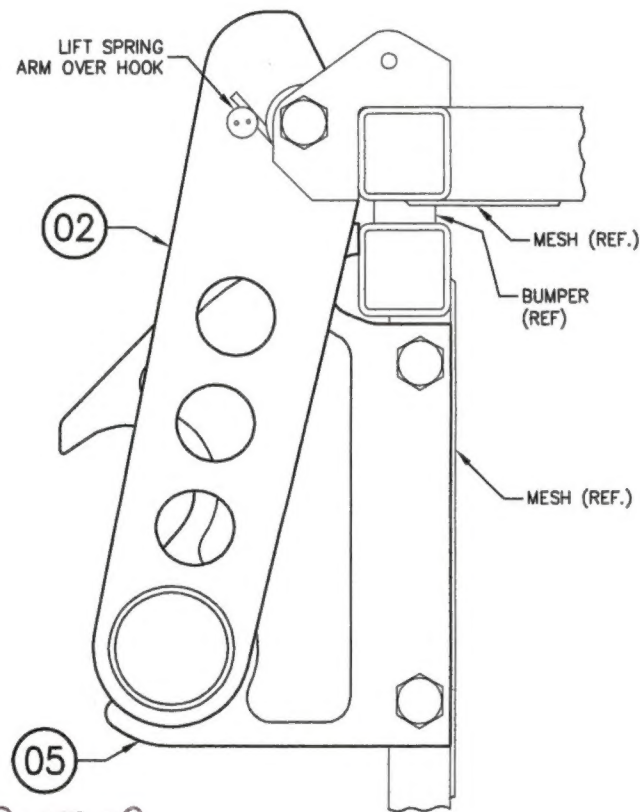
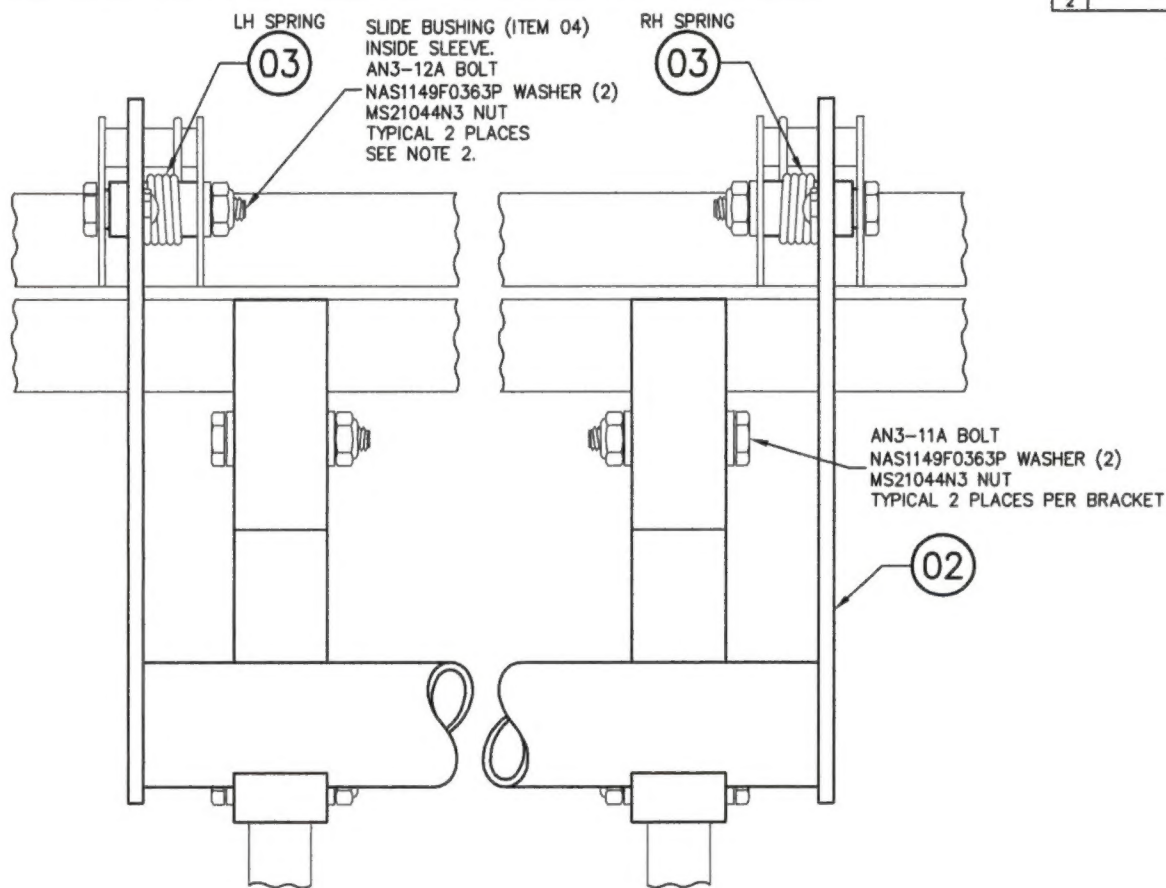
 <b>AERO DESIGN LTD.</b> 9888A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 804.483.2376 www.aerodesign.ca		<b>HELICOPTER CARGO BASKET ALL MODELS LID BRACE INSTALLATION</b>	
		NOT TO SCALE	REV.
DWG. SIZE	DWG. NO.		
<b>A4</b>	<b>84240</b>		<b>0</b>
SHEET 1 OF 1			

NOTES:

1. THIS DRAWING IS AN ALTERNATE CONFIGURATION FOR THE HANDLE INSTALLATION SHOWN ON DRAWING 36255.
2. GREASE BUSHING (ITEM 04) USING MOBILGREASE 28 OR EQUIVALENT PRIOR TO INSTALLATION.

THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREIN.

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE - CREATED FROM 36255	BJC	NOV 03/09
1	HANDLE END BRACKETS FLIPPED	BJC	SEPT 19/11
2	TITLE BLOCK UPDATED; ADD NOTE 2; HARDWARE UPDATED	BJC	MAR 13/14



2015-02

01 HANDLE INSTALLATION

A/R	MOBILGREASE 28		GREASE	MIL-PRF-81322F
4	AN3-11A		BOLT	
2	AN3-12A		BOLT	
10	NAS1149F0363P		WASHER	
6	MS21044N3		NUT	
2	84267-01	05	BRACKET	
2	36275-01	04	BUSHING	
2	36278-01	03	SPRING (1 LH, 1 RH)	
1	84261-01	02	HANDLE BAR ASSEMBLY	
	84255-01	01	HANDLE INSTALLATION	
01	PART NO.	ITEM	DESCRIPTION	MATERIAL
QTY.	LIST OF MATERIALS			

APPROVALS	DATE
DRAWN: JEFF CLARKE	03 NOV 2009
CHECKED: E. BURGOIN	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2° X.XX ±0.03 X.X ±0.1	



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9888A MALASPINA ROAD  
POWELL RIVER, BC, CANADA, V8A 0G3  
TEL: 604.483.2376 www.aerodesign.ca

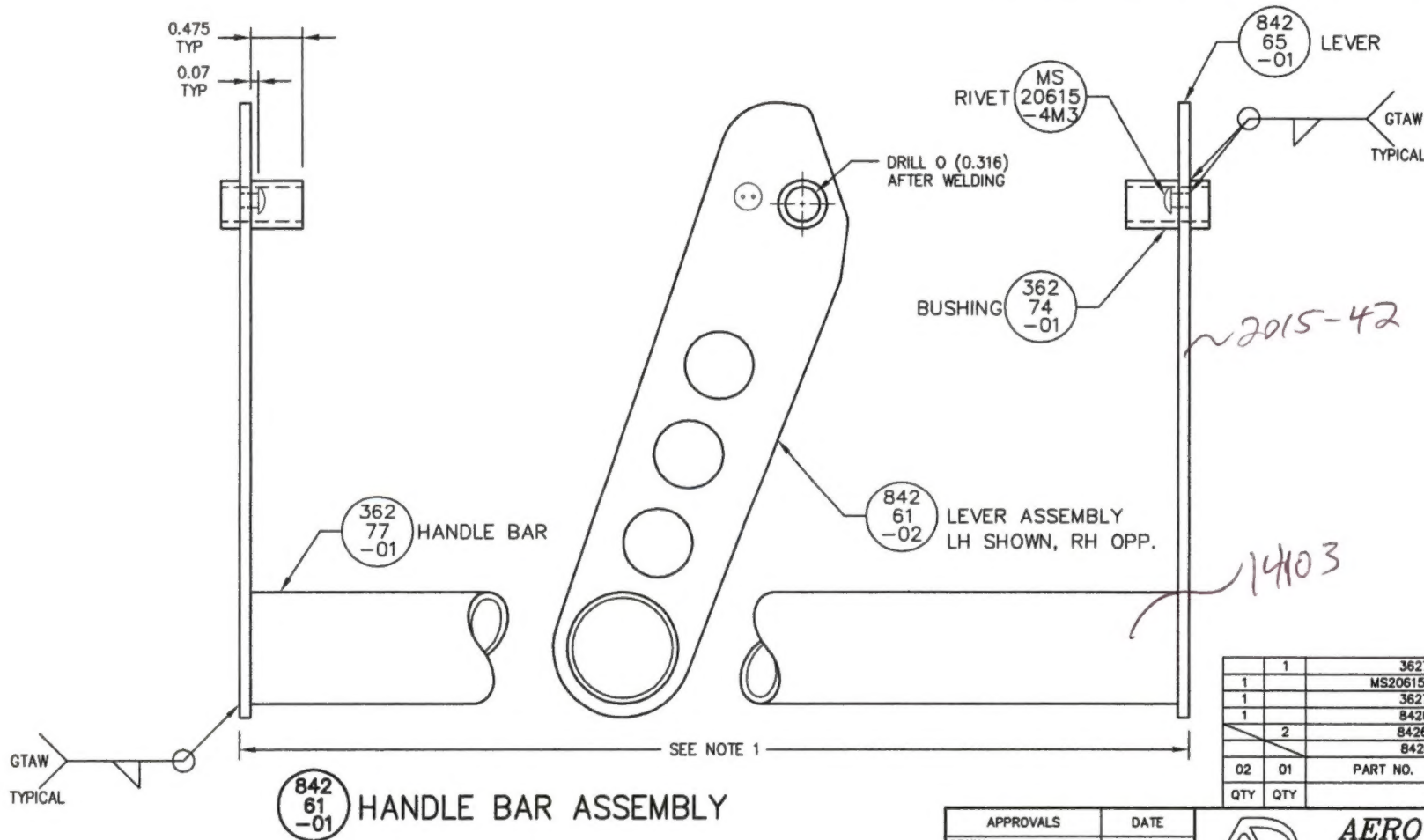
**HELICOPTER CARGO BASKET  
HANDLE BAR INSTALLATION**

SCALE 1 : 1	DWG. SIZE	DWG. NO.	REV.
SHEET 1 OF 1	A3	84255	2



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REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	HANDLE END BRACKETS FLIPPED	BJC	SEPT 19/11
2	TITLE BLOCK UPDATED; LEVER ASSEMBLY ASSIGNED P/N	BJC	MAR 13/14



NOTES:

1. LENGTH OF HANDLE TO BE DETERMINED BY BASKET ASSEMBLY DRAWING.
2. REMOVE ALL BURRS AND SHARP EDGES.
3. WELDING TO BE COMPLETED BY GTAW METHOD TO AMS2685C USING ER308L ROD.

QTY	QTY	PART NO.	DESCRIPTION
1		36277-01	HANDLE BAR
1		MS20615-4M3	RIVET (MONEL)
1		36274-01	BUSHING
1		84265-01	LEVER
2		84261-02	LEVER ASSEMBLY (RH/LH)
		84261-01	HANDLE BAR ASSY
02	01		

APPROVALS	DATE
DRAWN: R. RATHWELL	JUNE 18/09
CHECKED: E. BURGAIN	

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES.  
TOLERANCES ON:  
DECIMALS ANGLES  
X.XXX ±0.010 ±1/2°  
X.XX ±0.03  
X.X ±0.1



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**HELICOPTER CARGO BASKET  
HANDLE BAR ASSEMBLY**

SCALE	DWG. SIZE	DWG. NO.	REV.
SCALE 1 : 1	A3	84261	2
SHEET 1 OF 1			



212 MEGA (GUARDIAN)

WO#

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Form 20.F.06

Rev. Original 27 May 2013



**Aero Design Ltd.**

9888 A Malaspina Rd., Powell River, BC  
V8A 0G3, 604-483-AERO (2376)

Quantity: 1  
PN: AN45-4A Alt:  
Aircraft: All Model: All  
Description: Eye Bolt  
Supplier: Blue Sky Industries  
Color: N/A  
WO#: N/A PO# 14084

**Aero Design Ltd.**

9888 A Malaspina Rd., Powell River, BC  
V8A 0G3, 604-483-AERO (2376)

Quantity: 1  
PN: AN665-46R Alt:  
Aircraft: All Model: All  
Description: Clevis  
Supplier: Blue Sky Industries  
Color: N/A  
WO#: N/A PO# 14084

2014-75

Hock up





### Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC  
V8A 0G3, 604-483-AERO (2376)

Quantity: 1  
PN: AN45-4A  
Aircraft: All  
Description: Eye Bolt  
Supplier: Blue Sky Industries  
Color: N/A  
WO#: N/A  
Alt: Model: All

PO# 14084



### Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC  
V8A 0G3, 604-483-AERO (2376)

Quantity: 1  
PN: AN665-46R  
Aircraft: All  
Description: Clevis  
Supplier: Blue Sky Industries  
Color: N/A  
WO#: N/A  
Alt: Model: All

PO# 14084



### Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC  
V8A 0G3, 604-483-AERO (2376)

Quantity: 1  
PN: AN665-46R  
Aircraft: All  
Description: Clevis  
Supplier: Blue Sky Industries  
Color: N/A  
WO#: N/A  
Alt: Model: All

PO# 14084



WO# N/A

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